

ABSTRACT

The invention concerns the secondary reflectors of SHF antennae of the Cassegrain type.

It consists of providing the secondary basic 5 reflector (103) of this antenna with a first circular ring (104) in the shape of a cylinder directed toward the main reflector, and a second ring (105) in the shape of a circular crown fixed to the end of the cylinder, and projecting outward from the latter. These rings are made 10 from a conducting material. The length of the cylinder and the width of the crown are of the range of one quarter of the average wavelength for which the antenna is dimensioned.

This enables the "overspill radiation" of the 15 secondary reflector to be reduced considerably, and therefore allows the dimensions of the antenna to be reduced significantly for equivalent performance.

Figure 2